

GenCore version 5.1.6
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OM nucleic - protein search, using frame_plus_n2p model

Run on: October 29, 2003, 13:31:09 : Search time 18.5 seconds
(without alignments)
507.730 Million cell updates/sec

Title: US-09-513-999c-3792_COPY_51_161

Perfect score: 208

Sequence: 1 atggggggatctttgctt.....gctgagtgctgtctact 111

Scoring table: BLOSUM62

Xgapop 10.0, Xgapext 0.5

Ygapop 10.0, Ygapext 0.5

Fgapop 6.0, Fgapext 7.0

Delop 6.0, Delext 7.0

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 657434

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:

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-DB=Issued Patents AA -QFMT=fastan -SUFFIX=ra1 -MINMATCH=0.1 -LOOPCL=0
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-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents AA.*

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3: /cgn2_6/ptodata/2/iaa/6A.COMB.pep.*

4: /cgn2_6/ptodata/2/iaa/6B.COMB.pep.*

5: /cgn2_6/ptodata/2/iaa/6C.COMB.pep.*

6: /cgn2_6/ptodata/2/iaa/6D.COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	67	33.2	681	4	US-09-252-991A-22519
C 2	63.5	31.4	640	3	US-09-262-773-4
C 3	63.5	31.4	648	3	US-09-262-773-2
C 4	63	30.3	298	4	US-09-252-991A-18825
5	60.5	29.1	218	2	US-08-399-889-25
6	60.5	29.1	218	3	US-09-167-364-25
7	60.5	29.1	218	3	US-09-439-897-4
8	60.5	29.1	268	4	US-09-589-927-6
9	60.5	29.1	268	4	US-09-277-655-6
10	60.5	29.1	268	4	US-09-589-987-6
11	60.5	29.1	471	2	US-08-399-889-24
12	60.5	29.1	471	3	US-09-167-364-24

13	60.5	29.1	471	3	US-09-439-897-2	Sequence 2, Appli
C 14	59.5	29.5	205	4	US-09-252-991A-27589	Sequence 27589, A
C 15	59	29.2	1297	2	US-08-290-731C-4	Sequence 4, Appli
C 16	58	28.7	393	4	US-09-252-991A-32650	Sequence 32650, A
17	56.5	27.2	61	4	US-09-149-476-398	Sequence 398, App
18	56	26.9	349	3	US-09-032-523-3	Sequence 3, Appli
19	56	26.9	396	1	US-08-208-007A-13	Sequence 13, Appli
20	56	26.9	396	3	US-09-032-523-9	Sequence 9, Appli
21	56	26.9	396	4	US-08-915-095A-13	Sequence 13, Appli
22	56	26.9	396	4	US-08-798-096-13	Sequence 13, Appli
23	56	26.9	396	4	US-08-798-095A-13	Sequence 13, Appli
24	56	26.9	396	4	US-09-953-956-13	Sequence 13, Appli
25	56	26.9	396	4	US-08-553-125A-13	Sequence 13, Appli
C 26	56	27.7	411	4	US-09-252-991A-18602	Sequence 18602, A
C 27	56	27.7	442	4	US-09-252-991A-31743	Sequence 31743, A
C 28	55	27.2	228	4	US-09-252-991A-28331	Sequence 28331, A
C 29	55	27.2	464	4	US-09-252-991A-31219	Sequence 31219, A
C 30	54.5	27.0	246	4	US-09-252-991A-21990	Sequence 21990, A
31	54	26.0	1720	2	US-08-477-451-12	Sequence 12, Appli
C 32	53.5	26.5	266	4	US-09-252-991A-26915	Sequence 26915, A
C 33	53.5	26.5	415	4	US-09-252-991A-32170	Sequence 32170, A
C 34	53	26.2	411	4	US-09-252-991A-25526	Sequence 25526, A
C 35	53	26.2	602	4	US-09-252-991A-29438	Sequence 29438, A
C 36	52.5	26.0	263	4	US-09-252-991A-17939	Sequence 17939, A
C 37	52.5	26.0	976	3	US-08-560-005-2	Sequence 2, Appli
C 38	52.5	26.0	976	3	US-09-195-868-14	Sequence 14, Appli
C 39	52.5	26.0	976	3	US-09-418-540-2	Sequence 2, Appli
C 40	52.5	26.0	976	4	US-09-969-528-2	Sequence 2, Appli
C 41	52.5	26.0	1187	3	US-08-664-962B-8	Sequence 8, Appli
C 42	52.5	26.0	1187	3	US-09-311-743-8	Sequence 8, Appli
C 43	52.5	26.0	1189	3	US-09-195-868-15	Sequence 15, Appli
C 44	52.5	26.0	1229	3	US-09-195-868-28	Sequence 28, Appli
C 45	52	25.7	90	4	US-09-252-991A-20965	Sequence 20965, A

ALIGNMENTS

RESULT 1
US-09-252-991A-22519
Sequence 22519, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 22519
LENGTH: 681
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-22519

Alignment Scores:
Pred. No.: 0.555
Score: 67.00
Percent Similarity: 51.35%
Best Local Similarity: 40.54%
Query Match: 33.17%
DB: 4
Length: 681
Matches: 15
Conservative: 4
Mismatches: 12
Indels: 6
Gaps: 1

US-09-513-999C-3792_COPY_51_161 (1-111) x US-09-252-991A-22519 (1-681)

Qy 97 TCAGGCACACAGACACAGACCCAGGAGTTTACATACCTCGGCCCA----- 53

Db 6 AAlaglyProGlyArgProGlyLeuAlaArgThrProAlaProAlaGluGlnProGly 25

QY 52 ---GAAGTCCCTGCAAGATGAAAGAATCTGCAAGGCAAAAGATCCAC 5
Db 26 LeuGluGlyProAlaLeuAlaLeuAlaArgProGlyArgGlnProHis 42
US-09-262-773-4
; Sequence 4, Application US/09262773
; Patent No. 6225451
; GENERAL INFORMATION:
; APPLICANT: Ballinger, Dennis G.
; APPLICANT: Ding, Wei
; APPLICANT: Wagner, Susanne
; TITLE OF INVENTION: CHROMOSOME 11-LINKED CORONARY HEART DISEASE
; FILE REFERENCE: Myriad 3
; CURRENT APPLICATION NUMBER: US/09/262,773
; CURRENT FILING DATE: 1999-03-04
; NUMBER OF SEQ ID NOS: 210
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 4
; LENGTH: 640
; TYPE: PRT
; ORGANISM: human
US-09-262-773-4

Alignment Scores:
Pred. No.: 1.65 Length: 640
Score: 63.50 Matches: 16
Percent Similarity: 66.67% Conservative: 8
Best Local Similarity: 44.44% Mismatches: 7
Query Match: 31.44% Indels: 5
DB: 3 Gaps: 3

US-09-513-999c-3792_copy_51_161 (1-111) x US-09-262-773-4 (1-640)

QY 110 GTAGAGCAGCCACTCAGGCACACAGAGCCAGG-----AGTTTACACTCCGC 57
Db 292 IleGlnGluPro---GlnGluThrGlnGluProGluLeuSerPheThrTyThrGly 310
QY 56 CCCAGAGTCCCTGCAAGATGAAAGAATCTGCAAGGCAAAAGAT 9
Db 311 AspArgSer-----LysAspGluGluGluCysLeuGlnGluAsp 324

RESULT 3
US-09-262-773-2
; Sequence 2, Application US/09262773
; Patent No. 6225451
; GENERAL INFORMATION:
; APPLICANT: Ballinger, Dennis G.
; APPLICANT: Ding, Wei
; APPLICANT: Wagner, Susanne
; TITLE OF INVENTION: CHROMOSOME 11-LINKED CORONARY HEART DISEASE
; FILE REFERENCE: Myriad 3
; CURRENT APPLICATION NUMBER: US/09/262,773
; CURRENT FILING DATE: 1999-03-04
; NUMBER OF SEQ ID NOS: 210
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 2
; LENGTH: 648
; TYPE: PRT
; ORGANISM: human
US-09-262-773-2

Alignment Scores:
Pred. No.: 1.65 Length: 648
Score: 63.50 Matches: 16
Percent Similarity: 66.67% Conservative: 8
Best Local Similarity: 44.44% Mismatches: 7
Query Match: 31.44% Indels: 5
DB: 3 Gaps: 3

US-09-513-999c-3792_copy_51_161 (1-111) x US-09-262-773-2 (1-648)
QY 110 GTAGAGCAGCCACTCAGGCACACAGAGCCAGG-----AGTTTACACTCCGC 57
Db 300 IleGlnGluPro---GlnGluThrGlnGluProGluLeuSerPheThrTyThrGly 318
QY 56 CCCAGAGTCCCTGCAAGATGAAAGAATCTGCAAGGCAAAAGAT 9
Db 319 AspArgSer-----LysAspGluGluGluCysLeuGlnGluAsp 332

RESULT 4

US-09-252-991A-18825
; Sequence 18825, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 18825
; LENGTH: 298
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-18825

Alignment Scores:

Pred. No.: 1.71 Length: 298
Score: 63.00 Matches: 13
Percent Similarity: 68.00% Conservative: 4
Best Local Similarity: 52.00% Mismatches: 8
Query Match: 30.29% Indels: 0
DB: 4 Gaps: 0

US-09-513-999c-3792_copy_51_161 (1-111) x US-09-252-991A-18825 (1-298)

QY 7 GCATCTTTTCCTTCAGGATCTTTTCATCTTTCAGGACTTCGCGCGGAGTAT 66
Db 158 GlyAlaLeuAlaLeuGlnArgLeuPheGlySerLeuGlnGlyPheLeuGlyGlyArgPhe 177
QY 67 GTAAACTCTCGGT 81
Db 178 ValGluValAlaGly 182

RESULT 5

US-08-399-889-25
; Sequence 25, Application US/08399889B
; Patent No. 5973120
; GENERAL INFORMATION:
; APPLICANT: Reeder, Stephen T
; APPLICANT: Morrison, Karen E
; APPLICANT: Hudson, Billy G
; TITLE OF INVENTION: Alpha-3 Chain Type IV Collagen Polypeptides
; FILE REFERENCE: 951263A
; CURRENT APPLICATION NUMBER: US/08/399,889B
; CURRENT FILING DATE: 1995-03-07
; EARLIER APPLICATION NUMBER: 07/621091
; EARLIER FILING DATE: 1990-11-30
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 25
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Human
US-08-399-889-25


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/ TYPE: PRT
/ ORGANISM: Human
US-09-277-665-6

Alignment Scores:
Pred. No.: 3.7 Length: 268
Score: 60.50 Matches: 17
Percent Similarity: 56.76% Conservative: 4
Best Local Similarity: 45.95% Mismatches: 11
Query Match: 29.09% Indels: 5
DB: 4 Gaps: 3

US-09-513-999C-3792_COPY_51_161 (1-111) x US-09-277-665-6 (1-268)
QY 3 GGGTGGATCTTTTGCCTTGCAGGATCTTTTTCATCTTT-----GCAGGACTTCT 53
DB 171 GlyTrpIleSerLeuTrpLysGlyPheSerPheIleMetPheThrSerAlaGlySerGlu 190
QY 54 GGGGCCGGA---GTATGTAACCTCTGGGTCTCTGTGTGCTGCTGAGTGG 101
DB 191 GlyAlaGlyGlnAlaLeuAlaSerProGlySer---CysLeuGluGluPhe 206

RESULT 10
US-09-589-987-6
/ Sequence 6, Application US/09589897
/ Patent No. 6498140
/ GENERAL INFORMATION:
/ APPLICANT: University of Kansas Medical Center
/ TITLE OF INVENTION: The Use of Isolated Domains of Type IV Collagen to
/ TITLE OF INVENTION: Modify Cell and Tissue Interactions
/ FILE REFERENCE: 945251
/ CURRENT APPLICATION NUMBER: US/09/589,987
/ CURRENT FILING DATE: 2000-06-07
/ NUMBER OF SEQ ID NOS: 12
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 6
/ LENGTH: 268
/ TYPE: PRT
/ ORGANISM: Human
US-09-589-987-6

Alignment Scores:
Pred. No.: 3.7 Length: 268
Score: 60.50 Matches: 17
Percent Similarity: 56.76% Conservative: 4
Best Local Similarity: 45.95% Mismatches: 11
Query Match: 29.09% Indels: 5
DB: 4 Gaps: 3

US-09-513-999C-3792_COPY_51_161 (1-111) x US-09-589-987-6 (1-268)
QY 3 GGGTGGATCTTTTGCCTTGCAGGATCTTTTTCATCTTT-----GCAGGACTTCT 53
DB 171 GlyTrpIleSerLeuTrpLysGlyPheSerPheIleMetPheThrSerAlaGlySerGlu 190
QY 54 GGGGCCGGA---GTATGTAACCTCTGGGTCTCTGTGTGCTGCTGAGTGG 101
DB 191 GlyAlaGlyGlnAlaLeuAlaSerProGlySer---CysLeuGluGluPhe 206

RESULT 11
US-08-399-889-24
/ Sequence 24, Application US/08399889B
/ Patent No. 5973120
/ GENERAL INFORMATION:
/ APPLICANT: Reeders, Stephen T
/ APPLICANT: Morrison, Karen E
/ APPLICANT: Hudson, Billy G
/ TITLE OF INVENTION: Alpha-3 Chain Type IV Collagen Polypeptides
/ FILE REFERENCE: 951263A
/ CURRENT APPLICATION NUMBER: US/08/399,889B
/ CURRENT FILING DATE: 1995-03-07
/ EARLIER APPLICATION NUMBER: 07/621091
/ EARLIER FILING DATE: 1990-11-30

/ TYPE: PRT
/ ORGANISM: Human
US-09-277-665-6

Alignment Scores:
Pred. No.: 3.7 Length: 268
Score: 60.50 Matches: 17
Percent Similarity: 56.76% Conservative: 4
Best Local Similarity: 45.95% Mismatches: 11
Query Match: 29.09% Indels: 5
DB: 4 Gaps: 3

US-09-513-999C-3792_COPY_51_161 (1-111) x US-09-277-665-6 (1-268)
QY 3 GGGTGGATCTTTTGCCTTGCAGGATCTTTTTCATCTTT-----GCAGGACTTCT 53
DB 171 GlyTrpIleSerLeuTrpLysGlyPheSerPheIleMetPheThrSerAlaGlySerGlu 190
QY 54 GGGGCCGGA---GTATGTAACCTCTGGGTCTCTGTGTGCTGCTGAGTGG 101
DB 191 GlyAlaGlyGlnAlaLeuAlaSerProGlySer---CysLeuGluGluPhe 206

RESULT 12
US-09-167-364-24
/ Sequence 24, Application US/09167364
/ Patent No. 6007980
/ GENERAL INFORMATION:
/ APPLICANT: Reeders, Stephen T
/ APPLICANT: Morrison, Karen E
/ APPLICANT: Hudson, Billy G
/ TITLE OF INVENTION: Alpha-3 Chain Type IV Collagen Polypeptides
/ FILE REFERENCE: 951263B
/ CURRENT APPLICATION NUMBER: US/09/167,364
/ CURRENT FILING DATE: 1998-10-07
/ EARLIER APPLICATION NUMBER: 08/399889
/ EARLIER FILING DATE: 1995-03-07
/ NUMBER OF SEQ ID NOS: 25
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 24
/ LENGTH: 471
/ TYPE: PRT
/ ORGANISM: Calf
US-09-167-364-24

Alignment Scores:
Pred. No.: 4.04 Length: 471
Score: 60.50 Matches: 17
Percent Similarity: 56.76% Conservative: 4
Best Local Similarity: 45.95% Mismatches: 11
Query Match: 29.09% Indels: 5
DB: 3 Gaps: 3

US-09-513-999C-3792_COPY_51_161 (1-111) x US-09-167-364-24 (1-471)
QY 3 GGGTGGATCTTTTGCCTTGCAGGATCTTTTTCATCTTT-----GCAGGACTTCT 53
DB 374 GlyTrpIleSerLeuTrpLysGlyPheSerPheIleMetPheThrSerAlaGlySerGlu 393
QY 54 GGGGCCGGA---GTATGTAACCTCTGGGTCTCTGTGTGCTGCTGAGTGG 101
DB 394 GlyAlaGlyGlnAlaLeuAlaSerProGlySer---CysLeuGluGluPhe 409

RESULT 13
US-09-439-897-2
/ Sequence 2, Application US/09439897
/ Patent No. 627558
/ GENERAL INFORMATION:
/ APPLICANT: Hudson, Billy G
/ TITLE OF INVENTION: Alpha-3 Chain Type IV Collagen Polypeptides
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; FILE REFERENCE: 95-1263-C
; CURRENT APPLICATION NUMBER: US/09/439,897
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 2
; LENGTH: 471
; TYPE: PRT
; ORGANISM: Bos taurus
US-09-439-897-2

Alignment Scores:
Pred. No.: 4,04 Length: 471
Score: 60.50 Matches: 17
Percent Similarity: 56.76% Conservative: 4
Best Local Similarity: 45.95% Mismatches: 11
Query Match: 29.09% Indels: 5
DB: 3 Gaps: 3

US-09-513-999c-3792_COPY_51_161 (1-111) x US-09-439-897-2 (1-471)
Qy 3 GGCTGGATCTTTCCTGAGGATCTTTTCATCTTT-----GCAGGACTTCT 53
Db 374 GlyTrpIleSerLeuTrpIleGlyPheSerPheIleWetPheThrSerAlaGlySerGlu 393
Qy 54 GGGGCCCGGA---GTATGTAAACTCTCGGTCCTCTGTGTGTCCTGAGTGG 101
Db 394 GlyAlaGlyGlnAlaLeuAlaSerProGlySer---CysLeuGluGluPhe 409

RESULT 14
US-09-252-991A-27589
; Sequence 27589, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 27589
; LENGTH: 305
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-27589

Alignment Scores:
Pred. No.: 5,17 Length: 305
Score: 59.50 Matches: 13
Percent Similarity: 53.33% Conservative: 3
Best Local Similarity: 43.33% Mismatches: 11
Query Match: 29.46% Indels: 3
DB: 4 Gaps: 1

US-09-513-999c-3792_COPY_51_161 (1-111) x US-09-252-991A-27589 (1-305)
Qy 103 AGCCACTCAGCACACACAGAGCCAGGAGTTTACATCTCCGCCCCCAGAGTCCT 44
Db 253 ThrHisGlyGlnGlyHisLeuArgProGlyLeuProHisGlnProAlaProGlyPro 272
Qy 43 GCAGAGATGAAAGAGATCTCTGCAAGGCAAAAGATCCCA 14
Db 273 -----LysProGlyProGlyArgArg 279

RESULT 15
US-08-290-731C-4
; Sequence 4, Application US/08290731C
; Patent No. 5843646

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; GENERAL INFORMATION:
; APPLICANT: BOWTELL, David Douglas Lawrence
; TITLE OF INVENTION: DNA MOLECULES ENCODING MURINE
; NUMBER OF SEQ ID NOS: 65
; TITLE OF INVENTION: SON OF SEVENLESS (MSOS) GENE,
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSER: SUGHRUE, MION, ZINN, MACPEAK & SEAS
; STREET: 2100 PENNSYLVANIA AVENUE, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/290,731C
; FILING DATE: 17-OCT-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/AU93/00068
; FILING DATE: 17-FEB-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PLO921/92
; FILING DATE: 17-FEB-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: KIT, Gordon
; REGISTRATION NUMBER: 30,764
; REFERENCE/DOCKET NUMBER: Q-36066
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 293-7060
; TELEFAX: (202) 293-7860
; TELEX: 6491103
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1297 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-290-731C-4

Alignment Scores:
Pred. No.: 7,58 Length: 1297
Score: 59.00 Matches: 13
Percent Similarity: 48.57% Conservative: 4
Best Local Similarity: 37.14% Mismatches: 12
Query Match: 29.21% Indels: 6
DB: 2 Gaps: 1

US-09-513-999c-3792_COPY_51_161 (1-111) x US-08-290-731C-4 (1-1297)
Qy 106 AGCAGCCATCTCAGCACACAGAGCCAGAGTTTACATCTCCGCCCCCAGAGTC 47
Db 1244 SerSerHisSer-----SerLeuAlaHisLeuProAlaProVal 1257
Qy 46 CCTGCAAGATGAAAGAGATCTCTGCAAGGCAAAAGATCCCA 2
Db 1258 ProProArgGlnAsnSerSerProLeuLeuProLysLeuProPro 1272

Search completed: October 29, 2003, 14:42:24
Job time : 21.5 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: October 29, 2003, 12:17:53 ; Search time 62 Seconds
(without alignments)

Title: US-09-513-999C-3792 COPY 51 161

Perfect score:

Sequence: 1 atgggtggatcttttgctt.....gcctgagtggctgctctact 111

Scoring table: OLIGO NUC

Gapop 60.0 , Gapext 60.0

Searched: 569978 seqs, 220691566 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Minimum DB seq length:	0
Maximum DB seq length:	2000000000

Post-processing: Listing first 45 summaries

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2: /cgn2_6/pdata/2/ina/5B COMB.seq:**
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4: /cgn2_6/pdata/2/ina/6B COMB.seq:**
5: /cgn2_6/pdata/2/ina/pCTUS COMB.seq**
6: /cgn2_6/pdata/2/ina/backfile1.seq**

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query		DB	ID	Description
		Match	Length			
C 1	16	14.4	536	4	US-09-221-017B-1081	Sequence 1081, Ap
C 2	16	14.4	997	4	US-09-143-476-307	Sequence 307, App
C 3	16	14.4	1266	4	US-09-328-352-909	Sequence 909, App
C 4	16	14.4	1437	4	US-09-107-532A-3356	Sequence 3356, Ap
C 5	16	14.4	2128	3	US-09-233-506-1	Sequence 1, Appli
C 6	16	14.4	2178	3	US-09-334-601-6	Sequence 6, Appli
C 7	16	14.4	2288	3	US-09-334-601-1	Sequence 1, Appli
C 8	16	14.4	2359	4	US-09-425-488-7	Sequence 7, Appli
C 9	16	14.4	2915	1	US-07-746-705A-16	Sequence 16, Appl
C 10	16	14.4	2915	2	US-08-380-182-18	Sequence 18, Appl
C 11	16	14.4	3494	3	US-09-334-601-5	Sequence 5, Appli
C 12	16	14.4	4577	3	US-09-024-020B-1	Sequence 1, Appli
C 13	16	14.4	5377	4	US-09-425-043-1	Sequence 1, Appli
C 14	16	14.4	6007	3	US-09-024-020B-2	Sequence 2, Appli
C 15	16	14.4	6007	4	US-09-425-043-2	Sequence 2, Appli
C 16	16	14.4	6556	3	US-09-024-020B-7	Sequence 7, Appli
C 17	16	14.4	6556	4	US-09-425-043-7	Sequence 7, Appli
C 18	16	14.4	6586	3	US-09-024-020B-43	Sequence 43, Appl
C 19	16	14.4	6586	4	US-09-425-043-43	Sequence 43, Appl
C 20	16	14.4	6822	4	US-09-426-998-3	Sequence 3, Appli
C 21	16	14.4	6826	3	US-09-024-020B-8	Sequence 8, Appli
C 22	16	14.4	6826	4	US-09-425-043-8	Sequence 8, Appli
C 23	16	14.4	7741	4	US-09-426-998-4	Sequence 4, Appli
C 24	16	14.4	9792	4	US-09-635-872A-14	Sequence 14, Appl
C 25	16	14.4	9792	4	US-09-636-077A-14	Sequence 14, Appl
C 26	16	14.4	12847	1	US-08-550-715-1	Sequence 1, Appli
C 27	16	14.4	15567	4	US-09-627-376-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1
US-09-221-017B-1081/c
; Sequence 1081, Application US/09221017B
; Patent No. 6444799
; GENERAL INFORMATION:
; APPLICANT: Ross, Bruce C.
; TITLE OF INVENTION: P. GINGIVALIS NUCLEOTIDES AND USES THEREOF
; NUMBER OF SEQUENCES: 1120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 PAGE MILL ROAD
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: Fast-SEQ for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/221,017B
; FILING DATE: 23-DEC-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PP1182
; FILING DATE: 31-DEC-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PP1546
; FILING DATE: 30-JAN-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PP2911
; FILING DATE: 09-APR-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/AU98/01023
; FILING DATE: 10-DEC-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Monroy, Gladys H
; REGISTRATION NUMBER: 32,430
; REFERENCE/DOCKET NUMBER: 27340-20021.00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-813-5600
; TELEFAX: 650-494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 1081:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 536 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular

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; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: UNKNOWN
; ORIGINAL SOURCE:
; ORGANISM: PORPHYROMONAS GINGIVALIS
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1...536
US-09-221-017B-1081

Query Match 14.4%; Score 16; DB 4; Length 536;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 26 ATTCTTTTCATCTT 41
Db 287 ATTCTTTTCATCTT 272

RESULT 2
US-09-149-476-307
; Sequence 307 Application US/09149476
; Patent No. 6420526
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: P2002P1
; CURRENT APPLICATION NUMBER: US/09/149,476
; CURRENT FILING DATE: 1998-09-08
; EARLIER APPLICATION NUMBER: PCT/US98/04493
; EARLIER FILING DATE: 1998-03-06
; EARLIER APPLICATION NUMBER: 60/040,162
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,333
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/038,621
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,626
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,334
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; EARLIER APPLICATION NUMBER: 60/040,336
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; EARLIER APPLICATION NUMBER: 60/040,163
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/047,600
; EARLIER FILING DATE: 1997-05-23
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; EARLIER FILING DATE: 1997-05-23
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; EARLIER FILING DATE: 1997-05-23
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; EARLIER FILING DATE: 1997-05-23
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; EARLIER APPLICATION NUMBER: 60/047,583
; EARLIER FILING DATE: 1997-05-23
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; EARLIER FILING DATE: 1997-05-23
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; EARLIER FILING DATE: 1997-05-23
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; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,581
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,584
; EARLIER FILING DATE: 1997-05-23
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; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,587
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,492
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,598
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,613
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,582
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,596
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,612
; EARLIER FILING DATE: 1997-05-23
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; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,601
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,580
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,568
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,314
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,569
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,311
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,671
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,674
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,669
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,312
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; EARLIER APPLICATION NUMBER: 60/043,313
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,672
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,315
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/048,974
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/056,886
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,877
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,889
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,893
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,630
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,878
; EARLIER FILING DATE: 1997-08-22
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; EARLIER APPLICATION NUMBER: 60/056,872
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,882
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,637
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,903
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,888
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,879
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,880
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; EARLIER APPLICATION NUMBER: 60/056,894
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; EARLIER APPLICATION NUMBER: 60/056,911

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EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 1997-05-23
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EARLIER APPLICATION NUMBER: 60/047,594
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EARLIER APPLICATION NUMBER: 60/047,589
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EARLIER APPLICATION NUMBER: 60/047,593
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EARLIER APPLICATION NUMBER: 60/047,614
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,578
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,576
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/047,501
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,670
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/056,632
EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 1997-08-22
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EARLIER APPLICATION NUMBER: 60/048,964
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/057,650
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056,884
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/057,669
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/049,610
EARLIER FILING DATE: 1997-06-13

EARLIER APPLICATION NUMBER: 60/061,060
EARLIER FILING DATE: 1997-10-02

Query Match 14.4%; Score 16; DB 4; Length 997;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 GATCTTTTGCCTTGCA 23
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DB 662 GATCTTTTGCCTTGCA 677

RESULT 3

US-09-328-352-909/c
Sequence 909, Application US/09328352
Patent No. 6562958
GENERAL INFORMATION:
APPLICANT: Gary L. Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
FILE REFERENCE: GTC99-03PA
CURRENT APPLICATION NUMBER: US/09/328,352
CURRENT FILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 8252
SEQ ID NO 909
LENGTH: 1266
TYPE: DNA
ORGANISM: Acinetobacter baumannii
US-09-328-352-909

Query Match 14.4%; Score 16; DB 4; Length 1266;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 26 ATCTTTTTCATCTTT 41
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DB 616 ATCTTTTTCATCTTT 601

RESULT 4

US-09-107-532A-3356
Sequence 3356, Application US/09107532A
Patent No. 6583275
GENERAL INFORMATION:
APPLICANT: Lynn A. Doucette-Stamm and David Bush
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 7310
CORRESPONDENCE ADDRESS:
ADDRESSER: GENOME THERAPEUTICS CORPORATION
STREET: 100 Beaver Street
CITY: Waltham
STATE: Massachusetts
COUNTRY: USA
ZIP: 02354
MEDIUM TYPE: CD-ROM ISO9660
COMPUTER: PC
OPERATING SYSTEM: <Unknown>
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/107,532A
FILING DATE: 30-Jun-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/085,598
FILING DATE: 14 May 1998
APPLICATION NUMBER: 60/051571
FILING DATE: July 2, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Ariniello, Pamela Deneke
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-012
TELECOMMUNICATION INFORMATION:

TELEPHONE: (781)893-5007
TELEFAX: (781)893-8277
INFORMATION FOR SEQ ID NO: 3356:
SEQUENCE CHARACTERISTICS:
LENGTH: 1437 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Enterococcus faecium
FEATURE:
NAME/KEY: misc feature
LOCATION: (B) LOCATION 1...1437
SEQUENCE DESCRIPTION: SEQ ID NO: 3356:
US-09-107-532A-3356

Query Match 14.4%; Score 16; DB 4; Length 1437;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 19 TTGCAGATTCCTTTT 34
DB 212 TTGCAGATTCCTTTT 227

RESULT 5

US-09-233-506-1
; Sequence 1, Application US/09233506
; Patent No. 6136580
; GENERAL INFORMATION:
; APPLICANT: Fukuda, Minoru
; TITLE OF INVENTION: A Beta-1-6-N-Acetylglucosaminyltransferase That Forms
; TITLE OF INVENTION: Core 2, Core 4 and 1 Branches
; FILE REFERENCE: P-LJ 3415
; CURRENT APPLICATION NUMBER: US/09/233,506
; CURRENT FILING DATE: 1999-01-19
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 2128
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (354)...(1670)
US-09-233-506-1

Query Match 14.4%; Score 16; DB 3; Length 2128;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 GATCTTTGCGCTTGA 23
DB 1821 GATCTTTGCGCTTGA 1836

RESULT 6

US-09-334-601-6/c
; Sequence 6, Application US/09334601
; Patent No. 6280989
; GENERAL INFORMATION:
; APPLICANT: Kapitonov, Dmitri
; TITLE OF INVENTION: NOVEL SIALYLTRANSFERASES
; FILE REFERENCE: VCUIP-6
; CURRENT APPLICATION NUMBER: US/09/334,601
; CURRENT FILING DATE: 1999-06-17
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 6
; LENGTH: 2178
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-334-601-6

Query Match 14.4%; Score 16; DB 3; Length 2178;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 26 ATTCTTTTCATCTTT 41
DB 2150 ATTCTTTTCATCTTT 2135

RESULT 7

US-09-334-601-1/c
; Sequence 1, Application US/09334601
; Patent No. 6280989
; GENERAL INFORMATION:
; APPLICANT: Kapitonov, Dmitri
; APPLICANT: Yu, Robert
; TITLE OF INVENTION: NOVEL SIALYLTRANSFERASES
; FILE REFERENCE: VCUIP-6
; CURRENT APPLICATION NUMBER: US/09/334,601
; CURRENT FILING DATE: 1999-06-17
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 2288
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (29)...(1282)
US-09-334-601-1

Query Match 14.4%; Score 16; DB 3; Length 2288;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 26 ATTCTTTTCATCTTT 41
DB 2260 ATTCTTTTCATCTTT 2245

RESULT 8

US-09-425-488-7/c
; Sequence 7, Application US/09425488
; Patent No. 6555371
; GENERAL INFORMATION:
; APPLICANT: Saito, Masaki
; TITLE OF INVENTION: Sialyltransferase and DNA encoding the same
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/09/425,488
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: JP 9-184184
; PRIOR FILING DATE: 1997-07-09
; PRIOR APPLICATION NUMBER: US 09/112,563
; PRIOR FILING DATE: 1998-07-09
; PRIOR APPLICATION NUMBER: JP 11-148603
; PRIOR FILING DATE: 1999-05-27
; NUMBER OF SEQ ID NOS: 12
; SEQ ID NO 7
; LENGTH: 2359
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (278)...(1363)
US-09-425-488-7

Query Match 14.4%; Score 16; DB 4; Length 2359;

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Best Local Similarity 100.0%; Pred. No. 22;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 26 ATCTTTTTCATCTTT 41
DB 2345 ATCTTTTTCATCTTT 2330

RESULT 9
US-07-746-705A-16
; Sequence 16, Application US/07746705A
; Patent No. 5451516
; GENERAL INFORMATION:
; APPLICANT: Matthews, Benjamin F.
; APPLICANT: Weismann, Jane M.
; TITLE OF INVENTION: A Recombinant DNA Molecule Encoding
; TITLE OF INVENTION: a Bifunctional Plant Enzyme: Aspartokinase and Homoserine
; TITLE OF INVENTION: Dehydrogenase
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Janelle S. Graeter
; STREET: Bldg. 005, Room 402, BARC-W
; CITY: Beltsville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20705
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/746,705A
; FILING DATE: 19910816
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Graeter, Janelle S.
; REGISTRATION NUMBER: 35,024
; REFERENCE/DOCKET NUMBER: 4000.91
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301)504-5676
; TELEFAX: (301)504-5060
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2915 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2..2593
; US-07-746-705A-16

Query Match 14.4%; Score 16; DB 1; Length 2915;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 38 CTTTGCGGGACTTCT 53
DB 1977 CTTTGCGGGACTTCT 1992

RESULT 10
US-08-380-182-18
; Sequence 18, Application US/08380182
; Patent No. 5858749
; GENERAL INFORMATION:
; APPLICANT: Matthews, Benjamin F.
; APPLICANT: Weismann, Jane M.
; TITLE OF INVENTION: A Bifunctional Protein From Carrots

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; TITLE OF INVENTION: (Daucus carota) with Aspartokinase and Homoserine
; TITLE OF INVENTION: Dehydrogenase Activities"
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Janelle S. Graeter
; STREET: Room 411, Bldg. 005, BARC-W
; CITY: Beltsville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20705
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/380,182
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Graeter, Janelle S.
; REGISTRATION NUMBER: 35,024
; REFERENCE/DOCKET NUMBER: 0226.94
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 301-504-6629
; TELEFAX: 301-504-5060
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2915 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Daucus carota
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2..2593
; US-08-380-182-18

Query Match 14.4%; Score 16; DB 2; Length 2915;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 38 CTTTGCGGGACTTCT 53
DB 1977 CTTTGCGGGACTTCT 1992

RESULT 11
US-09-334-601-5/c
; Sequence 5, Application US/09334601
; Patent No. 6280989
; GENERAL INFORMATION:
; APPLICANT: Kapitonov, Dmitri
; APPLICANT: Yu, Robert
; TITLE OF INVENTION: NOVEL SIALYLTRANSFERASES
; FILE REFERENCE: VCUIP-6
; CURRENT APPLICATION NUMBER: US/09/334,601
; CURRENT FILING DATE: 1999-06-17
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 3494
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-334-601-5

Query Match 14.4%; Score 16; DB 3; Length 3494;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      26 ATTCTTTTCATCTTT 41
      |||||
Db      3467 ATTCTTTTCATCTTT 3452

RESULT 12
US-09-024-020B-1/c
; Sequence 1, Application US/09024020B
; Patent No. 6030810
; GENERAL INFORMATION:
; APPLICANT: DELGADO, STEPHEN G.
; APPLICANT: DIETRICH, PAUL S.
; APPLICANT: FISH, LINDA M.
; APPLICANT: HERMAN, RONALD C.
; APPLICANT: SANGAMESWARAN, LAKSHMI
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JANET PAULINE CLARK
; STREET: 3401 HILLVIEW AVENUE, MS A2-250
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94304-1397
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/024,020B
; FILING DATE: 16-FEB-1998
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/039,447
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: R0020B-REG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 852-3097
; TELEFAX: (650) 855-5322
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5977 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-09-024-020B-1

Query Match      14.4% Score 16; DB 3; Length 5977;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      80 GTCTCTGTGTGTCCT 95
      |||||
Db      5814 GTCTCTGTGTGTCCT 5799

RESULT 13
US-09-024-020B-1/c
; Sequence 1, Application US/09425043
; Patent No. 6335172
; GENERAL INFORMATION:
; APPLICANT: DELGADO, STEPHEN G.
; APPLICANT: DIETRICH, PAUL S.
; APPLICANT: FISH, LINDA M.
; APPLICANT: HERMAN, RONALD C.
; APPLICANT: SANGAMESWARAN, LAKSHMI
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JANET PAULINE CLARK
; STREET: 3401 HILLVIEW AVENUE, MS A2-250
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94304-1397
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/024,020B
; FILING DATE: 16-FEB-1998
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/039,447
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: R0020B-REG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 852-3097
; TELEFAX: (650) 855-5322
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5977 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-09-024-020B-1

Query Match      14.4% Score 16; DB 3; Length 5977;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      80 GTCTCTGTGTGTCCT 95
      |||||
Db      5814 GTCTCTGTGTGTCCT 5799

RESULT 14
US-09-024-020B-2/c
; Sequence 2, Application US/09024020B
; Patent No. 6030810
; GENERAL INFORMATION:
; APPLICANT: DELGADO, STEPHEN G.
; APPLICANT: DIETRICH, PAUL S.
; APPLICANT: FISH, LINDA M.
; APPLICANT: HERMAN, RONALD C.
; APPLICANT: SANGAMESWARAN, LAKSHMI
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JANET PAULINE CLARK
; STREET: 3401 HILLVIEW AVENUE, MS A2-250
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94304-1397
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/425,043
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/024,020
; FILING DATE: 16-FEB-1998
; APPLICATION NUMBER: US 60/039,447
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: R0020B-REG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 852-3097
; TELEFAX: (650) 855-5322
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5977 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-09-425-043-1

Query Match      14.4% Score 16; DB 4; Length 5977;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      80 GTCTCTGTGTGTCCT 95
      |||||
Db      5814 GTCTCTGTGTGTCCT 5799
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SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/024,020B
FILING DATE: 16-FEB-1998
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/039,447
FILING DATE: 26-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: CLARK, JANET P.
REGISTRATION NUMBER: 34,799
REFERENCE/DOCKET NUMBER: R0020B-REG
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 852-3097
TELEFAX: (650) 855-5322
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 6007 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-024-020B-2

Query Match 14.4%; Score 16; DB 3; Length 6007;

Best Local Similarity 100.0%; Pred. No. 23;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 80 GTCTCTGTGTGCT 95
|||||
Db 5844 GTCTCTGTGTGCT 5829

RESULT 15

US-09-425-043-2/c
Sequence 2, Application US/09425043
Patent No. 6335172
GENERAL INFORMATION:
APPLICANT: DELGADO, STEPHEN G.
APPLICANT: DIETRICH, PAUL S.
APPLICANT: FISH, LINDA M.
APPLICANT: HERMAN, RONALD C.
APPLICANT: SANGAMESWARAN, LAKSHMI
TITLE OF INVENTION: NOVEL CLONED TETRODOXIN-SENSITIVE
TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: JANET PAULINE CLARK
STREET: 3401 HILLVIEW AVENUE, MS A2-250
CITY: PALO ALTO
STATE: CA
COUNTRY: U.S.A.
ZIP: 94304-1397
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/425,043
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/024,020
FILING DATE: 16-FEB-1998
APPLICATION NUMBER: US 60/039,447
FILING DATE: 26-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: CLARK, JANET P.
REGISTRATION NUMBER: 34,799
REFERENCE/DOCKET NUMBER: R0020B-REG
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 852-3097

TELEFAX: (650) 855-5322
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 6007 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-425-043-2

Query Match 14.4%; Score 16; DB 4; Length 6007;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 80 GTCTCTGTGTGCT 95
|||||
Db 5844 GTCTCTGTGTGCT 5829

Search completed: October 29, 2003, 13:31:02
Job time : 64 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: October 29, 2003, 13:05:43 ; Search time 62 Seconds
(without alignments)
790.218 Million cell updates/sec

Title: US-09-513-999c-3792_COPY_51_161

Perfect score: 111

Sequence: 1 atgggtggtatcttttgcctt.....gcttgagtggtgctgtact 111

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

- 1: /cgn2_6/prodata/2/ina/5A-COMB.seq.*
- 2: /cgn2_6/prodata/2/ina/5B-COMB.seq.*
- 3: /cgn2_6/prodata/2/ina/6A-COMB.seq.*
- 4: /cgn2_6/prodata/2/ina/6B-COMB.seq.*
- 5: /cgn2_6/prodata/2/ina/6C-COMB.seq.*
- 6: /cgn2_6/prodata/2/ina/6D-COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	27.6	24.9	1893	4	US-09-252-991A-14693
2	27.6	24.9	80246	3	US-09-078-294-4
3	27.6	24.9	80595	3	US-09-078-294-3
4	26.8	24.1	3752	4	US-09-620-312D-691
5	26.2	23.6	175	1	US-08-222-177A-4
6	26.2	23.6	1146	2	US-08-666-367B-4
7	26.2	23.6	1146	3	US-09-143-438-4
8	26.2	23.6	13104	4	US-08-961-527-34
9	26	23.4	430	4	US-09-397-787-254
10	25.4	22.9	11492	3	US-08-991-840A-1
11	25.2	22.7	509	4	US-09-996-243-149
12	25.2	22.7	1662	4	US-09-375-140-2
13	25.2	22.7	1953	4	US-09-375-140-3
14	25	22.5	1245	4	US-09-252-991A-8143
15	25	22.5	2421	4	US-09-252-991A-8211
16	25	22.5	3162	4	US-09-252-991A-8094
17	24.8	22.3	1371	2	US-08-428-713-1
18	24.8	22.3	1371	3	US-08-904-179-1
19	24.8	22.3	1374	3	US-08-428-713-9
20	24.8	22.3	1374	3	US-08-904-179-9
21	24.6	22.2	882	4	US-09-556-877-136
22	24.6	22.2	882	4	US-09-620-413C-136
23	24.6	22.2	882	4	US-09-598-419-136
24	24.6	22.2	1001	4	US-09-671-317-407
25	24.6	22.2	2407	3	US-09-370-807-7
26	24.6	22.2	2407	4	US-09-921-259-7
27	24.6	22.2	2511	3	US-09-422-869-19

28	24.4	22.0	361	3	US-09-385-982-36	Sequence 26, Appl
29	24.4	22.0	1506	2	US-08-206-790A-22	Sequence 22, Appl
30	24.4	22.0	1506	5	PCT-US95-02943-22	Sequence 22, Appl
31	24.2	21.8	2347	1	US-08-145-681-3	Sequence 3, Appl
32	24.2	21.8	2347	1	US-08-453-703-3	Sequence 3, Appl
33	24.2	21.8	2347	2	US-08-456-106-3	Sequence 3, Appl
34	24.2	21.8	2347	3	US-08-456-108-3	Sequence 3, Appl
35	24.2	21.8	2347	3	US-09-265-577-3	Sequence 3, Appl
36	24.2	21.8	1230025	4	US-09-198-452A-1	Sequence 1, Appl
37	24	21.6	528	4	US-09-134-001C-2094	Sequence 2094, Ap
38	24	21.6	681	4	US-09-252-991A-7322	Sequence 7322, Ap
39	24	21.6	1932	4	US-09-252-991A-7230	Sequence 7230, Ap
40	24	21.6	2898	4	US-09-252-991A-7467	Sequence 7467, Ap
41	24	21.6	4088	2	US-08-317-310A-1	Sequence 1, Appl
42	24	21.6	4088	5	PCT-US95-13041-1	Sequence 1, Appl
43	24	21.6	19446	4	US-08-961-527-51	Sequence 51, Appl
44	24	21.6	580073	4	US-08-545-528D-1	Sequence 1, Appl
45	23.8	21.4	3831	4	US-08-961-527-291	Sequence 291, App

ALIGNMENTS

RESULT 1
US-09-252-991A-14693
; Sequence 14693, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 14693
; LENGTH: 1893
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-14693

Query Match 24.9%; Score 27.6; DB 4; Length 1893;
Best Local Similarity 60.8%; Pred. No. 2;
Matches 45; Conservative 0; Mismatches 29; Indels 0; Gaps 0;
Qy 20 TGCAGGATCTTTTTCATCTTTCAGGAGCTTCTGGGCGGAGTATGTAATCTCTGG 79
Db 348 TGTATCATTTTTCAGTTTCTGCTGTTTATGTCAGTGTCTGCTGAATTCAGA 407
Qy 80 GTCTCTGTGTGTC 93
Db 408 ATTCTGTGTATGC 421

RESULT 2
US-09-078-294-4
; Sequence 4, Application US/09078294
; Patent No. 6265211
; GENERAL INFORMATION:
; APPLICANT: Choo, Kong-Hong Andy
; APPLICANT: Du Sart, Desirée
; APPLICANT: Cancilla, Michael R.
; TITLE OF INVENTION: A NOVEL NUCLEIC ACID MOLECULE
; FILE REFERENCE: Davies Col
; CURRENT APPLICATION NUMBER: US/09/078,294
; CURRENT FILING DATE: 1998-05-13
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4

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; LENGTH: 80246
; TYPE: DNA
; ORGANISM: Nucleotide sequence of NC-contig
; US-09-078-294-4

Query Match      24.9%; Score 27.6; DB 3; Length 80246;
Best Local Similarity 58.5%; Pred. No. 7.9;
Matches 48; Conservative 0; Mismatches 34; Indels 0; Gaps 0;

QY 23 AGGATCTTTTTCATCTTTCAGGAGCTTCTGGGCGCGGAGTATGTAAACTCTCTGGTC 82
Db 6333 AGTTTCTGTGTCACCTTACTGGCCATGGGATGTCAGATATGTAATTAACAGTATT 6392

QY 83 TCTGTGTGTCCTGAGTGGTG 104
Db 6393 TCTGGGTGTTCTGTGAGGGTG 6414

RESULT 3
US-09-078-294-3
; Sequence 3, Application US/09078294
; Patent No. 6265211
; GENERAL INFORMATION:
; APPLICANT: Choo, Kong-Hong Andy
; APPLICANT: Du Sart, Desiree
; APPLICANT: Cancilla, Michael R.
; TITLE OF INVENTION: A NOVEL NUCLEIC ACID MOLECULE
; FILE REFERENCE: Davies Col
; CURRENT APPLICATION NUMBER: US/09/078,294
; CURRENT FILING DATE: 1998-05-13
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 80595
; TYPE: DNA
; ORGANISM: Nucleotide sequence of HC-contig
; US-09-078-294-3

Query Match      24.9%; Score 27.6; DB 3; Length 80595;
Best Local Similarity 58.5%; Pred. No. 7.9;
Matches 48; Conservative 0; Mismatches 34; Indels 0; Gaps 0;

QY 23 AGGATCTTTTTCATCTTTCAGGAGCTTCTGGGCGCGGAGTATGTAAACTCTCTGGTC 82
Db 6618 AGTTTCTGTGTCACCTTACTGGCCATGGGATGTCAGATATGTAATTAACAGTATT 6677

QY 83 TCTGTGTGTCCTGAGTGGTG 104
Db 6678 TCTGGGTGTTCTGTGAGGGTG 6699

RESULT 4
US-09-620-312D-691
; Sequence 691, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yuncing
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radoje T.
```

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; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pT_FL_genes Version 1.0
; SEQ ID NO 691
; LENGTH: 3752
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (376)..(1596)
; US-09-620-312D-691

Query Match      24.1%; Score 26.8; DB 4; Length 3752;
Best Local Similarity 57.0%; Pred. No. 5;
Matches 49; Conservative 0; Mismatches 37; Indels 0; Gaps 0;

QY 14 TTGCTTTCAGGATCTTTTCATCTTTCAGGAGCTTTCGCGGCGGAGTATGTAAAC 73
Db 1665 TTGCTTTCAGGATCTTTTCATCTTTCAGGAGCTTTCGCGGCGGAGTATGTAAAC 1724

QY 74 TCTGTGTGTCCTGAGTGGTG 99
Db 1725 GCCTTGTCTCTGGGAAAGGATCGGT 1750

RESULT 5
US-08-222-177A-4
; Sequence 4, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (GC-GA)n. (GG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 175 base pairs
; TYPE: nucleic acid
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US-08-666-36/B-4/C

53; Conservative	0;	misplacements	46;	indels	0;	gaps	0
2	TGGTGGATCTTTTGGCTTCGAGATCTTTTTCATCTTTGACGGACTTCTGGGGCCGG	61					
13	TGGTTGCTGGTGTTTTGGTTTCAGGATTTTGTGTATATGTTTCATCAGGATATTGTCTCTG	72					
62	AGTATGTAAACTCTCGGCTCTGTGTGTGCTGAGTGGCTG	104					
73	AGGATTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTG	115					

RESULT 6
US-08-666-367B-4/c

CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20006
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/143,438
FILING DATE: August 28, 1998
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/666,367
FILING DATE: August 19, 1996
ATTORNEY/AGENT INFORMATION:
NAME: Warren M. Cheek, Jr.
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-721-8200
TELEFAX: 202-721-8250
TELEX:
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 1146
TYPE: nucleic acid
STRANDEDNESS: double
MOLECULE TYPE: DNA
ORIGINAL SOURCE:
ORGANISM: mouse
FEATURE:
OTHER INFORMATION: 1-1128 sialyltransferase in soluble
US-09-143-438-4

Query Match 23.6%; Score 26.2; DB 3; Length 1146;
Best Local Similarity 63.5%; Pred. No. 5.3;
Matches 40; Conservative 0; Mismatches 23; Indels 0; Gaps 0;
QY 19 TTGAGGATCTTTTCATCTTGCAGGACTTCTGGGCGGAGTAGTAAACTCTG 78
Db 840 TTCTGATGATGATCCCATGATTCATGTCATCTGGGCTTGGAGGATGTAAGGCTG 781
QY 79 GGT 81
Db 780 GCT 778
RESULT 8
US-08-961-527-34/c
; Sequence 34, Application US/08961527
; Patent No. 6420135
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 391
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/961,527

FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PB340P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 13104 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-961-527-34

Query Match 23.6%; Score 26.2; DB 4; Length 13104;
Best Local Similarity 67.3%; Pred. No. 13;
Matches 37; Conservative 0; Mismatches 18; Indels 0; Gaps 0;
QY 10 TCTTTGCTTGCAGGATCTTTTCATCTTTCAGGACTTCTGGGCGGAGT 64
Db 9341 TCTATTGCTTGGGGGCTTCTTGGGCATGTTTGGGATGTTTAAAGGCACGTG 9287

RESULT 9
US-09-397-787-254/c
; Sequence 254, Application US/09397787
; Patent No. 6468758
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR OVARIAN
; FILE OF INVENTION: CANCER THERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.466C2
; CURRENT APPLICATION NUMBER: US/09/397,787
; CURRENT FILING DATE: 1999-09-16
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 254
; LENGTH: 430
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(430)
; OTHER INFORMATION: n = A,T,C or G
US-09-397-787-254

Query Match 23.4%; Score 26; DB 4; Length 430;
Best Local Similarity 70.0%; Pred. No. 4.3;
Matches 35; Conservative 0; Mismatches 15; Indels 0; Gaps 0;
QY 62 AGTATGTAAGGCTTGGGCTCTGTCGTGTCGCTGAGTGCTGCTACT 111
Db 402 AGTATGTAAGGCTTGGGCTCTGTCGTGTCGCTGAGTGCTGCTACT 353

RESULT 10
US-08-991-840A-1/c
; Sequence 1, Application US/08991840A
; Patent No. 6261570
; GENERAL INFORMATION:
; APPLICANT: Michael D. Parker
; APPLICANT: Jonathan F. Smith
; APPLICANT: Bruce Crise
; APPLICANT: Mark Steve Oberste

APPLICANT: Shannon Schmura
TITLE OF INVENTION: Live Attenuated Virus Vaccines for Eastern Equine Encephalitis
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Charles H. Harris
STREET: USA MRMC - MRMC-JA
CITY: FORT DETRICK, FREDERICK
STATE: MARYLAND
COUNTRY: USA
ZIP: 21702-5012
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Macintosh 7.5
SOFTWARE: Microsoft Word 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/991,840A
FILING DATE: December 16, 1997
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: Provisional Application 60/047162,
FILING DATE: May 20, 1997
APPLICATION NUMBER: Provisional Application 60/053,652
FILING DATE: July 24, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Charles H. Harris
REGISTRATION NUMBER: 34,616
REFERENCE/DOCKET NUMBER: 003/058/SAP RIID 96-01
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 619-2065
TELEFAX: (301) 619-5034
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 11492 base pairs
TYPE: Nucleic acid
STRANDEDNESS: Double
TOPOLOGY: Linear
FEATURE: OTHER INFORMATION: N at all occurrences is = unknown.
FEATURE: OTHER INFORMATION: K at all
FEATURE: occurrences is = G or T
US-08-991-840A-1
Query Match 22.9%; Score 25.4; DB 3; Length 11492;
Best Local Similarity 64.4%; Pred. No. 24;
Matches 38; Conservative 0; Mismatches 21; Indels 0; Gaps 0;
QY 12 TTTCCTTCAGGATCTTTTCATCTTTCAGGACTTTCGCGCGGAGTATCTAA 70
Db 7692 TTTCCTTCAGGATCTTTTCATCTTTCAGGACTTTCGCGCGGAGTATCTAA 7634
RESULT 11
US-09-996-243-149
Sequence 149, Application US/09996243
Patent No. 6478825
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C13
CURRENT FILING DATE: 2003-11-14
CURRENT APPLICATION NUMBER: US/09/996,243
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/087106
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088029
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088030
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088033
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088167
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217
PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088655
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088742
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088810

; PRIOR FILING DATE: 1998-06-10
 ; PRIOR APPLICATION NUMBER: 60/088824
 ; PRIOR FILING DATE: 1998-06-10
 ; PRIOR APPLICATION NUMBER: 60/088826
 ; PRIOR FILING DATE: 1998-06-10
 ; PRIOR APPLICATION NUMBER: 60/088858
 ; PRIOR FILING DATE: 1998-06-11
 ; PRIOR APPLICATION NUMBER: 60/088861
 ; PRIOR FILING DATE: 1998-06-11
 ; PRIOR APPLICATION NUMBER: 60/088876
 ; PRIOR FILING DATE: 1998-06-11
 ; PRIOR APPLICATION NUMBER: 60/089105
 ; PRIOR FILING DATE: 1998-06-12
 ; PRIOR APPLICATION NUMBER: 60/089440
 ; PRIOR FILING DATE: 1998-06-16
 ; PRIOR APPLICATION NUMBER: 60/089512
 ; PRIOR FILING DATE: 1998-06-16
 ; PRIOR APPLICATION NUMBER: 60/089514
 ; PRIOR FILING DATE: 1998-06-16
 ; PRIOR APPLICATION NUMBER: 60/089532
 ; PRIOR FILING DATE: 1998-06-17
 ; PRIOR APPLICATION NUMBER: 60/089538
 ; PRIOR FILING DATE: 1998-06-17
 ; PRIOR APPLICATION NUMBER: 60/089598
 ; PRIOR FILING DATE: 1998-06-17
 ; PRIOR APPLICATION NUMBER: 60/089599
 ; PRIOR FILING DATE: 1998-06-17
 ; PRIOR APPLICATION NUMBER: 60/089600
 ; PRIOR FILING DATE: 1998-06-17
 ; PRIOR APPLICATION NUMBER: 60/089653
 ; PRIOR FILING DATE: 1998-06-17
 ; PRIOR APPLICATION NUMBER: 60/089801
 ; PRIOR FILING DATE: 1998-06-18
 ; PRIOR APPLICATION NUMBER: 60/089907
 ; PRIOR FILING DATE: 1998-06-18
 ; PRIOR APPLICATION NUMBER: 60/089908
 ; PRIOR FILING DATE: 1998-06-18
 ; PRIOR APPLICATION NUMBER: 60/089947
 ; PRIOR FILING DATE: 1998-06-19
 ; PRIOR APPLICATION NUMBER: 60/089948
 ; PRIOR FILING DATE: 1998-06-19
 ; PRIOR APPLICATION NUMBER: 60/089952
 ; PRIOR FILING DATE: 1998-06-19
 ; PRIOR APPLICATION NUMBER: 60/090246
 ; PRIOR FILING DATE: 1998-06-22
 ; PRIOR APPLICATION NUMBER: 60/090252
 ; PRIOR FILING DATE: 1998-06-22
 ; PRIOR APPLICATION NUMBER: 60/090254
 ; PRIOR FILING DATE: 1998-06-22
 ; PRIOR APPLICATION NUMBER: 60/090349
 ; PRIOR FILING DATE: 1998-06-23
 ; PRIOR APPLICATION NUMBER: 60/090355
 ; PRIOR FILING DATE: 1998-06-23
 ; PRIOR APPLICATION NUMBER: 60/090429
 ; PRIOR FILING DATE: 1998-06-24
 ; PRIOR APPLICATION NUMBER: 60/090431
 ; PRIOR FILING DATE: 1998-06-24
 ; PRIOR APPLICATION NUMBER: 60/090435
 ; PRIOR FILING DATE: 1998-06-24
 ; PRIOR APPLICATION NUMBER: 60/090444
 ; PRIOR FILING DATE: 1998-06-24
 ; PRIOR APPLICATION NUMBER: 60/090445
 ; PRIOR FILING DATE: 1998-06-24
 ; PRIOR APPLICATION NUMBER: 60/090472
 ; PRIOR FILING DATE: 1998-06-24
 ; PRIOR APPLICATION NUMBER: 60/090535
 ; PRIOR FILING DATE: 1998-06-24
 ; PRIOR APPLICATION NUMBER: 60/090540
 ; PRIOR FILING DATE: 1998-06-24
 ; PRIOR APPLICATION NUMBER: 60/090542
 ; PRIOR FILING DATE: 1998-06-24
 ; PRIOR APPLICATION NUMBER: 60/090557
 ; PRIOR FILING DATE: 1998-06-24

; PRIOR APPLICATION NUMBER: 60/090676
 ; PRIOR FILING DATE: 1998-06-25
 ; PRIOR APPLICATION NUMBER: 60/090678
 ; PRIOR FILING DATE: 1998-06-25
 ; PRIOR APPLICATION NUMBER: 60/090690
 ; PRIOR FILING DATE: 1998-06-25
 ; PRIOR APPLICATION NUMBER: 60/090694
 ; PRIOR FILING DATE: 1998-06-25
 ; PRIOR APPLICATION NUMBER: 60/090695
 ; PRIOR FILING DATE: 1998-06-25
 ; PRIOR APPLICATION NUMBER: 60/090696
 ; PRIOR FILING DATE: 1998-06-25
 ; PRIOR APPLICATION NUMBER: 60/090862
 ; PRIOR FILING DATE: 1998-06-26
 ; PRIOR APPLICATION NUMBER: 60/090863
 ; PRIOR FILING DATE: 1998-06-26
 ; PRIOR APPLICATION NUMBER: 60/091360
 ; PRIOR FILING DATE: 1998-07-01
 ; PRIOR APPLICATION NUMBER: 60/091478
 ; PRIOR FILING DATE: 1998-07-02
 ; PRIOR APPLICATION NUMBER: 60/091544
 ; PRIOR FILING DATE: 1998-07-01
 ; PRIOR APPLICATION NUMBER: 60/091519
 ; PRIOR FILING DATE: 1998-07-02
 ; PRIOR APPLICATION NUMBER: 60/091626
 ; PRIOR FILING DATE: 1998-07-02
 ; PRIOR APPLICATION NUMBER: 60/091633
 ; PRIOR FILING DATE: 1998-07-02
 ; PRIOR APPLICATION NUMBER: 60/091978
 ; PRIOR FILING DATE: 1998-07-07
 ; PRIOR APPLICATION NUMBER: 60/091982
 ; PRIOR FILING DATE: 1998-07-07
 ; PRIOR APPLICATION NUMBER: 60/092182
 ; PRIOR FILING DATE: 1998-07-09

Query Match 22.7%; Score 25.2; DB 4; Length 509;
 Best Local Similarity 52.7%; Pred. No. 8.9;
 Matches 48; Conservative 0; Mismatches 43; Indels 0; Gaps 0;

Qy 5 GTGATCTTTTGGCTTCAGGATCTTTTCATCTTTCAGGACTTCTGGGCGGAGT 64
 Db 136 GAGCAGCTTTTGGCTTCAGGATCTTTTCATCTTTCAGGACTTCTGGGCGGAGT 64
 Qy 65 ATGTAAACTCTGGGCTCTGTGTGCT 95
 Db 196 NTATAGATTTGGGCTCTGTGTGCT 226

RESULT 12

US-09-375-140-2/c
 ; Sequence 2, Application US/09375140
 ; Patent No. 6489540
 ; GENERAL INFORMATION:
 ; APPLICANT: Kavanagh, T.
 ; APPLICANT: Lao, N.
 ; TITLE OF INVENTION: A NOVEL PLASTID-TARGETING NUCLEIC ACID SEQUENCE, A
 ; TITLE OF INVENTION: NOVEL BETA-AMYLASE SEQUENCE, A STIMULUS-RESPONSIVE
 ; FILE REFERENCE: 9341-017
 ; CURRENT APPLICATION NUMBER: US/09/375,140
 ; CURRENT FILING DATE: 1999-08-16
 ; NUMBER OF SEQ ID NOS: 11
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 2
 ; LENGTH: 1662
 ; TYPE: DNA
 ; ORGANISM: Arabidopsis thaliana
 ; US-09-375-140-2

Query Match 22.7%; Score 25.2; DB 4; Length 1662;
 Best Local Similarity 60.0%; Pred. No. 14;
 Matches 42; Conservative 0; Mismatches 28; Indels 0; Gaps 0;


```

; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
; FILE REFERENCE: 62 US3.CIP
; CURRENT APPLICATION NUMBER: US 09/671,317
; CURRENT FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US 09/536,178
; PRIOR FILING DATE: 2000-03-23
; PRIOR APPLICATION NUMBER: PCT/IB00/00403
; PRIOR FILING DATE: 2000-03-24
; PRIOR APPLICATION NUMBER: US 60/126,269
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/131,961
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 977
; SOFTWARE: Patent.pm
; SEQ ID NO 307
; LENGTH: 1001
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 501
; OTHER INFORMATION: 12-126-222 : polymorphic base T or C
; NAME/KEY: misc_binding
; LOCATION: 481..500
; OTHER INFORMATION: 12-126-222.misl, potential
; NAME/KEY: misc_binding
; LOCATION: 502..521
; OTHER INFORMATION: 12-126-222.mis2, potential complement
; NAME/KEY: primer_bind
; LOCATION: 703..722
; OTHER INFORMATION: upstream amplification primer, complement
; NAME/KEY: primer_bind
; LOCATION: 267..286
; OTHER INFORMATION: downstream amplification primer
; NAME/KEY: misc_binding
; LOCATION: 489..513
; OTHER INFORMATION: 12-126-222 potential probe
; US-09-671-317-307

Query Match 4.3%; Score 17; DB 4; Length 1001;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 280 TTTTGGCTCCATGCTG 296
Db 969 TTTTGGCTCCATGCTG 985

RESULT 5
US-09-671-317-338
; Sequence 338, Application US/09671317
; Patent No. 6528260
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
; FILE REFERENCE: 62 US3.CIP
; CURRENT APPLICATION NUMBER: US 09/671,317
; CURRENT FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US 09/536,178
; PRIOR FILING DATE: 2000-03-23
; PRIOR APPLICATION NUMBER: PCT/IB00/00403
; PRIOR FILING DATE: 2000-03-24
; PRIOR APPLICATION NUMBER: US 60/126,269
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/131,961

```

```

; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Kings, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR OVARIAN
; TITLE OF INVENTION: CANCER THERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.466C2
; CURRENT APPLICATION NUMBER: US 09/397,787
; CURRENT FILING DATE: 1999-09-16
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 254
; LENGTH: 430
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(430)
; OTHER INFORMATION: n = A,T,C or G
; US-09-397-787-254

Query Match 4.5%; Score 18; DB 4; Length 430;
Best Local Similarity 100.0%; Pred. No. 14;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 191 GGGTTCAGAGATCTGTG 208
Db 273 GGGTTCAGAGATCTGTG 256

RESULT 3
US-09-984-890-3/c
; Sequence 3, Application US/09984890
; Patent No. 6492156
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: C1001306
; CURRENT APPLICATION NUMBER: US 09/984,890
; CURRENT FILING DATE: 2001-10-31
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 75395
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(75395)
; OTHER INFORMATION: n = A,T,C or G
; US-09-984-890-3

Query Match 4.5%; Score 18; DB 4; Length 75395;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 263 CTGAGGTGGGGCTTTT 280
Db 60715 CTGAGGTGGGGCTTTT 60698

RESULT 4
US-09-671-317-307
; Sequence 307, Application US/09671317
; Patent No. 6528260

```

;; PRIOR FILING DATE: 1999-04-30
;; NUMBER OF SEQ ID NOS: 977
;; SOFTWARE: Patent.pm
;; SEQ ID NO 338
;; LENGTH: 1001
;; TYPE: DNA
;; ORGANISM: Homo Sapiens
;; FEATURE:
;; NAME/KEY: allele
;; LOCATION: 501
;; OTHER INFORMATION: 12-151-174 : polymorphic base G or T
;; NAME/KEY: misc_binding
;; LOCATION: 481..500
;; OTHER INFORMATION: 12-151-174.misl, potential
;; NAME/KEY: misc_binding
;; LOCATION: 502..521
;; OTHER INFORMATION: 12-151-174.mis2, potential complement
;; NAME/KEY: primer_bind
;; LOCATION: 328..345
;; OTHER INFORMATION: upstream amplification primer
;; NAME/KEY: primer_bind
;; LOCATION: 827..845
;; OTHER INFORMATION: downstream amplification primer, complement
;; NAME/KEY: misc_binding
;; LOCATION: 489..513
;; OTHER INFORMATION: 12-151-174 potential probe
;; US-09-671-317-338

Query Match 4.3%; Score 17; DB 4; Length 1001;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 280 TTTTGGCTCCATGCTG 296
|||||

Db 413 TTTTGGCTCCATGCTG 429

RESULT 6

US-09-671-317-339
;; Sequence 339, Application US/09671317
;; Patent No. 6528260
;; GENERAL INFORMATION:
;; APPLICANT: Blumenfeld, Marta
;; APPLICANT: Chumakov, Ilya
;; APPLICANT: Bougueleret, Lydie
;; APPLICANT: Cohen, Annick
;; TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
;; FILE REFERENCE: 62 US3 CIP
;; CURRENT APPLICATION NUMBER: US/09/671,317
;; PRIOR FILING DATE: 2000-09-27
;; PRIOR APPLICATION NUMBER: US 09/536,178
;; PRIOR FILING DATE: 2000-03-23
;; PRIOR APPLICATION NUMBER: PCT/IB00/00403
;; PRIOR FILING DATE: 2000-03-24
;; PRIOR APPLICATION NUMBER: US 60/126,269
;; PRIOR FILING DATE: 1999-03-25
;; PRIOR APPLICATION NUMBER: US 60/131,961
;; PRIOR FILING DATE: 1999-04-30
;; NUMBER OF SEQ ID NOS: 977
;; SOFTWARE: Patent.pm
;; SEQ ID NO 339
;; LENGTH: 1001
;; TYPE: DNA
;; ORGANISM: Homo Sapiens
;; FEATURE:
;; NAME/KEY: allele
;; LOCATION: 501
;; OTHER INFORMATION: 12-151-196 : polymorphic base C or T
;; NAME/KEY: misc_binding
;; LOCATION: 481..500
;; OTHER INFORMATION: 12-151-196.misl, potential
;; NAME/KEY: misc_binding
;; LOCATION: 502..521

;; OTHER INFORMATION: 12-151-196.mis2, potential complement
;; NAME/KEY: primer_bind
;; LOCATION: 306..323
;; OTHER INFORMATION: upstream amplification primer
;; NAME/KEY: primer_bind
;; LOCATION: 805..823
;; OTHER INFORMATION: downstream amplification primer, complement
;; NAME/KEY: misc_binding
;; LOCATION: 489..513
;; OTHER INFORMATION: 12-151-196 potential probe
;; US-09-671-317-339

Query Match 4.3%; Score 17; DB 4; Length 1001;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 280 TTTTGGCTCCATGCTG 296
|||||

Db 391 TTTTGGCTCCATGCTG 407

RESULT 7

US-09-671-317-340
;; Sequence 340, Application US/09671317
;; Patent No. 6528260
;; GENERAL INFORMATION:
;; APPLICANT: Blumenfeld, Marta
;; APPLICANT: Chumakov, Ilya
;; APPLICANT: Bougueleret, Lydie
;; APPLICANT: Cohen, Annick
;; TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
;; FILE REFERENCE: 62 US3 CIP
;; CURRENT APPLICATION NUMBER: US/09/671,317
;; PRIOR FILING DATE: 2000-09-27
;; PRIOR APPLICATION NUMBER: US 09/536,178
;; PRIOR FILING DATE: 2000-03-23
;; PRIOR APPLICATION NUMBER: PCT/IB00/00403
;; PRIOR FILING DATE: 2000-03-24
;; PRIOR APPLICATION NUMBER: US 60/126,269
;; PRIOR FILING DATE: 1999-03-25
;; PRIOR APPLICATION NUMBER: US 60/131,961
;; PRIOR FILING DATE: 1999-04-30
;; NUMBER OF SEQ ID NOS: 977
;; SOFTWARE: Patent.pm
;; SEQ ID NO 340
;; LENGTH: 1001
;; TYPE: DNA
;; ORGANISM: Homo Sapiens
;; FEATURE:
;; NAME/KEY: allele
;; LOCATION: 501
;; OTHER INFORMATION: 12-151-270 : polymorphic base A or G
;; NAME/KEY: misc_binding
;; LOCATION: 481..500
;; OTHER INFORMATION: 12-151-270.misl, potential
;; NAME/KEY: misc_binding
;; LOCATION: 502..521
;; OTHER INFORMATION: 12-151-270.mis2, potential complement
;; NAME/KEY: primer_bind
;; LOCATION: 232..249
;; OTHER INFORMATION: upstream amplification primer
;; NAME/KEY: primer_bind
;; LOCATION: 731..749
;; OTHER INFORMATION: downstream amplification primer, complement
;; NAME/KEY: misc_binding
;; LOCATION: 489..513
;; OTHER INFORMATION: 12-151-270 potential probe
;; US-09-671-317-340

Query Match 4.3%; Score 17; DB 4; Length 1001;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 280 TTTTGGCTCCATGCTG 296
DB 317 TTTTGGCTCCATGCTG 333

RESULT 8

US-09-452-239-37
; Sequence 37, Application US/09452239

; Patent No. 6465229

; GENERAL INFORMATION:

; APPLICANT: Rafalski, Antoni J.

; APPLICANT: Fader, Gary M.

; APPLICANT: Cahoon, Rebecca E.

; TITLE OF INVENTION: Plant Caffeoyl-CoA O-Methyltransferase

; FILE REFERENCE: B1284 US NA

; CURRENT APPLICATION NUMBER: US/09/452,239

; EARLIER FILING DATE: 1999-12-01

; EARLIER APPLICATION NUMBER: 60/110,594

; EARLIER FILING DATE: 1998-December-02

; NUMBER OF SEQ ID NOS: 50

; SOFTWARE: Microsoft Office 97

; SEQ ID NO 37

; LENGTH: 1118

; TYPE: DNA

; ORGANISM: Triticum aestivum

US-09-452-239-37

Query Match 4.3%; Score 17; DB 4; Length 1118;

Best Local Similarity 100.0%; Pred. No. 42;

Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 273 GCGTTTTTTTGGTCTC 289

DB 971 GCGTTTTTTTGGTCTC 987

RESULT 9

US-09-452-239-3

; Sequence 3, Application US/09452239

; Patent No. 6465229

; GENERAL INFORMATION:

; APPLICANT: Rafalski, Antoni J.

; APPLICANT: Fader, Gary M.

; APPLICANT: Cahoon, Rebecca E.

; TITLE OF INVENTION: Plant Caffeoyl-CoA O-Methyltransferase

; FILE REFERENCE: B1284 US NA

; CURRENT APPLICATION NUMBER: US/09/452,239

; EARLIER FILING DATE: 1999-12-01

; EARLIER APPLICATION NUMBER: 60/110,594

; EARLIER FILING DATE: 1998-December-02

; NUMBER OF SEQ ID NOS: 50

; SOFTWARE: Microsoft Office 97

; SEQ ID NO 3

; LENGTH: 1146

; TYPE: DNA

; ORGANISM: Zea mays

US-09-452-239-3

Query Match

Best Local Similarity 4.3%; Score 17; DB 4; Length 1146;

Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 273 GCGTTTTTTTGGTCTC 289

DB 976 GCGTTTTTTTGGTCTC 992

RESULT 10

US-08-858-207A-108/c

; Sequence 108, Application US/08858207A

; Patent No. 6348328

; GENERAL INFORMATION:

; APPLICANT: Black, Michael

APPLICANT: Hodgson, John
APPLICANT: Knowles, David
APPLICANT: Nicholas, Richard
APPLICANT: Stodola, Robert
TITLE OF INVENTION: NO. 6348328el Compounds
NUMBER OF SEQUENCES: 552
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406-0939
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/858,207A
FILING DATE: 09-MAY-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/017670
FILING DATE: 14-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Gimmi, Edward R.
REGISTRATION NUMBER: 38,891
REFERENCE/DOCKET NUMBER: P50475
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-4478
TELEFAX: 610-270-5090
TELEX:
INFORMATION FOR SEQ ID NO: 108:
SEQUENCE CHARACTERISTICS:
LENGTH: 1381 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-858-207A-108

Query Match 4.3%; Score 17; DB 4; Length 1381;

Best Local Similarity 100.0%; Pred. No. 41;

Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 323 CATTTTCTTCATTCCTC 339

DB 295 CATTTTCTTCATTCCTC 279

RESULT 11

US-08-115-052-1

; Sequence 1, Application US/08115052

; Patent No. 5705400

; GENERAL INFORMATION:

; APPLICANT: Furmaniak-Wehr, Jadwiga Maria

; TITLE OF INVENTION: Assay for Adrenal Autoantigen

; NUMBER OF SEQUENCES: 2

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Banner, Birch, McKie & Beckett

; STREET: 1001 G Street N.W.

; CITY: Washington

; STATE: D.C.

; COUNTRY: USA

; ZIP: 20001

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/115,052

; FILING DATE: 02-SEP-1993

CLASSIFICATION: 424
 PRIOR APPLICATION NUMBER: 07/937,409
 FILING DATE: 31-AUG-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Dale H. Hoshchelt
 REGISTRATION NUMBER: 19,090
 REFERENCE/DOCKET NUMBER: 01350.44179
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-508-9100
 TELEFAX: 202-5089299
 TELEX: 197430 BMB UT
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1509 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 DEVELOPMENTAL STAGE: foetus
 TISSUE TYPE: adrenal gland
 FEATURE:
 NAME/KEY: sig_peptide
 LOCATION: 13..54
 NAME/KEY: mat_peptide
 LOCATION: 55..1494
 OTHER INFORMATION: /product= "steroid 21-hydroxylase"
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 13..1494
 FEATURE:
 NAME/KEY: misc feature
 LOCATION: (435*436)
 OTHER INFORMATION: /standard_name= "PvuII cleavage"
 OTHER INFORMATION: site"
 FEATURE:
 NAME/KEY: misc feature
 LOCATION: (732*733)
 OTHER INFORMATION: /standard_name= "PvuII cleavage"
 OTHER INFORMATION: site"
 FEATURE:
 NAME/KEY: misc feature
 LOCATION: (852*853)
 OTHER INFORMATION: /standard_name= "PmaCI cleavage"
 OTHER INFORMATION: site"
 FEATURE:
 NAME/KEY: misc feature
 LOCATION: (1148*1149)
 OTHER INFORMATION: /standard_name= "SmaI cleavage"
 OTHER INFORMATION: site"
 FEATURE:
 NAME/KEY: misc feature
 LOCATION: (1354*1355)
 OTHER INFORMATION: /standard_name= "StuI cleavage"
 OTHER INFORMATION: site"
 FEATURE:
 NAME/KEY: misc feature
 LOCATION: (53*54)
 OTHER INFORMATION: /standard_name= "NarI cleavage"
 OTHER INFORMATION: site"
 US-08-115-052-1
 Query Match 4.3%; Score 17; DB 1; Length 1509;
 Best Local Similarity 100.0%; Pred. No. 41;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 OY 289 CCATGCTGCTCTGGGC 305
 ||||||||||||||||

Db 11 CCATGCTGCTCTGGGC 27
 RESULT 12
 US-09-228-986-3
 ; Sequence 3, Application US/09228986
 ; Patent No. 6359198
 ; GENERAL INFORMATION:
 ; APPLICANT: Strabala, Timothy
 ; APPLICANT: Nieuwenhuizen, Niels
 ; TITLE OF INVENTION: Compositions Isolated from Plant Cells
 ; TITLE OF INVENTION: and Their Use in the Modification of Plant Cell Signalling
 ; FILE REFERENCE: 11000/1020
 ; CURRENT APPLICATION NUMBER: US/09/228,986
 ; CURRENT FILING DATE: 1999-01-12
 ; NUMBER OF SEQ ID NOS: 130
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 3
 ; LENGTH: 2686
 ; TYPE: DNA
 ; ORGANISM: Pinus radiata
 ; US-09-228-986-3
 Query Match 4.3%; Score 17; DB 4; Length 2686;
 Best Local Similarity 100.0%; Pred. No. 41;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 OY 318 TACCCATTTTCTTCA 334
 ||||||||||||||||
 Db 272 TACCCATTTTCTTCA 288
 RESULT 13
 US-09-220-132-26/c
 ; Sequence 26, Application US/09220132
 ; Patent No. 6506607
 ; GENERAL INFORMATION:
 ; APPLICANT: Shivjan, Andrew W.
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE IDENTIFICATION AND ASSESSMENT
 ; TITLE OF INVENTION: OF PROSTATE CANCER THERAPIES AND THE DIAGNOSIS OF PROSTATE CANCER
 ; FILE REFERENCE: 07334-074001
 ; CURRENT APPLICATION NUMBER: US/09/220,132
 ; CURRENT FILING DATE: 1998-12-23
 ; PRIOR APPLICATION NUMBER: US 60/079,303
 ; PRIOR FILING DATE: 1998-03-25
 ; PRIOR APPLICATION NUMBER: US 60/068,821
 ; PRIOR FILING DATE: 1997-12-24
 ; NUMBER OF SEQ ID NOS: 191
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 26
 ; LENGTH: 3468
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-220-132-26
 Query Match 4.3%; Score 17; DB 4; Length 3468;
 Best Local Similarity 100.0%; Pred. No. 40;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 OY 246 CTCAGTCTTCCCTTGG 262
 ||||||||||||||||
 Db 3114 CTCAGTCTTCCCTTGG 3098
 RESULT 14
 US-09-453-702B-42/c
 ; Sequence 42, Application US/09453702B
 ; Patent No. 6365723
 ; GENERAL INFORMATION:
 ; APPLICANT: Blattner, Frederick R.
 ; APPLICANT: Burland, Valerie
 ; APPLICANT: Perna, Nicole T.
 ; APPLICANT: Plunkett, Guy

Welch, Rod
TITLE OF INVENTION: No. 6365723e1 Sequences of E. coli O157
NUMBER OF SEQUENCES: 265
CORRESPONDENCE ADDRESS:
ADDRESSEE: Quarles & Brady
STREET: 1 South Pinckney Street
CITY: Madison
STATE: WI
COUNTRY: US
ZIP: 53701-2113
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44Mb storage
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 8.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/453,702B
FILING DATE: 03-Dec-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/110,955
FILING DATE: 04-Dec-1998
ATTORNEY/AGENT INFORMATION:
NAME: Seay, Nicholas J.
REGISTRATION NUMBER: 27386
REFERENCE/DOCKET NUMBER: 960296.95017
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 251-5000
TELEFAX: (608) 251-9166
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 11613
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 42:
US-09-453-702B-42

Query Match 4.3%; Score 17; DB 4; Length 11613;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 219 GGTTCCTGGATGGGT 235
DB 2106 GGTTCCTGGATGGGT 2090

RESULT 15
US-08-742-185-102
; Sequence 102, Application US/08742185
; Patent No. 6020476
; GENERAL INFORMATION:
; APPLICANT: Page, David C.
; APPLICANT: Reijo, Renee
; APPLICANT: Saxena, Richa
; APPLICANT: Hawkins, Trevor
; APPLICANT: Reeve, Mary Pat
TITLE OF INVENTION: DAZ: A GENE FAMILY ASSOCIATED WITH AZOOSPERMIA
NUMBER OF SEQUENCES: 102
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: Massachusetts
COUNTRY: US
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/742,185
FILING DATE: 30-OCT-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/690,734
FILING DATE: 31-JUL-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/310,429
FILING DATE: 22-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: WHI94-07A2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 861-6240
TELEFAX: (617) 861-9540
INFORMATION FOR SEQ ID NO: 102:
SEQUENCE CHARACTERISTICS:
LENGTH: 40328 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-742-185-102
Query Match 4.3%; Score 17; DB 3; Length 40328;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 268 GGTGGGGCTTTTTTTT 284
DB 882 GGTGGGGCTTTTTTTT 898

Search completed: October 29, 2003, 14:54:11
Job time : 67 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: October 29, 2003, 10:58:44 ; Search time 27 Seconds
(without alignments)
57,982 Million cell updates/sec

Title: US-09-513-999c-7869_COPY_1_37

Perfect score: 193
Sequence: 1 MGSFALQDSFSLQGLGPEYVKLLGCVLCGCGST 37

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:
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2: /cgn2_6/prodata/2/iaa/5B-COMB.pep.*
3: /cgn2_6/prodata/2/iaa/6A-COMB.pep.*
4: /cgn2_6/prodata/2/iaa/6B-COMB.pep.*
5: /cgn2_6/prodata/2/iaa/6C-COMB.pep.*
6: /cgn2_6/prodata/2/iaa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	63	32.6	298	4	US-09-252-991A-18825
2	56	29.0	349	3	US-09-032-523-3
3	56	29.0	396	1	US-08-208-007A-13
4	56	29.0	396	3	US-09-032-523-9
5	56	29.0	396	4	US-08-915-095A-13
6	56	29.0	396	4	US-08-798-096-13
7	56	29.0	396	4	US-08-798-095A-13
8	56	29.0	396	4	US-09-353-956-13
9	56	29.0	396	4	US-08-553-125A-13
10	54	28.0	1720	2	US-08-477-451-12
11	51.5	26.7	396	2	US-09-061-337-12
12	51.5	26.7	396	2	US-08-122-129-12
13	51.5	26.7	396	3	US-09-340-991-12
14	51.5	26.7	396	3	US-08-974-609-12
15	51.5	26.7	396	4	US-09-549-098-12
16	50	25.9	248	4	US-09-198-452A-417
17	49.5	25.6	432	1	US-08-476-008-61
18	49.5	25.6	432	1	US-08-306-063-61
19	49.5	25.6	432	1	US-08-833-485-61
20	49.5	25.6	432	3	US-09-137-440-61
21	49	25.4	396	4	US-09-242-859A-6
22	49	25.4	396	4	US-09-242-859A-6
23	49	25.4	403	2	US-09-061-337-10
24	49	25.4	403	2	US-09-122-129-10
25	49	25.4	403	3	US-09-340-991-10
26	49	25.4	403	3	US-08-974-609-10
27	49	25.4	403	4	US-09-549-098-10

28	49	25.4	600	5	PCT-US95-10166-2	Sequence 2, Appli
29	49	25.4	962	4	US-09-328-352-7942	Sequence 7942, Ap
30	48.5	25.1	257	6	5204259-5	Patent No. 5204259
31	48.5	25.1	283	6	5204259-9	Patent No. 5204259
32	48.5	25.1	333	6	5204259-7	Patent No. 5204259
33	48	24.9	144	4	US-09-328-352-7270	Sequence 7270, Ap
34	46	23.8	289	4	US-09-107-532A-4402	Sequence 4402, Ap
35	46	23.8	485	4	US-09-328-352-8210	Sequence 8210, Ap
36	46	23.8	500	2	US-09-031-393-7	Sequence 7, Appli
37	46	23.8	500	3	US-09-299-549-7	Sequence 7, Appli
38	46	23.8	500	4	US-09-610-417-7	Sequence 7, Appli
39	46	23.8	540	4	US-09-252-991A-22555	Sequence 22555, A
40	46	23.8	799	1	US-08-054-077C-2	Sequence 2, Appli
41	45.5	23.6	314	4	US-09-252-991A-19600	Sequence 19600, A
42	45.5	23.6	346	4	US-09-996-243-197	Sequence 197, App
43	45.5	23.6	399	4	US-09-198-452A-165	Sequence 165, App
44	45.5	23.6	607	4	US-09-252-991A-21640	Sequence 21640, A
45	45.5	23.6	633	4	US-09-328-352-6163	Sequence 6163, Ap

ALIGNMENTS

RESULT 1
US-09-252-991A-18825
; Sequence 18825, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 18825
; LENGTH: 298
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-18825

Query Match 32.6%; Score 63; DB 4; Length 298;
Best Local Similarity 52.0%; Pred. No. 0.29;
Matches 13; Conservative 4; Mismatches 8; Indels 0; Gaps 0;

Qy 3 GSFALQDSFSLQGLGPEYVKLLG 27
Db 158 GALAQELFGSLQSGFLGGRFVEVAG 182

RESULT 2
US-09-032-523-3
; Sequence 3, Application US/09032523
; Patent No. 6234454
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl
; APPLICANT: Baugh, Mariah
; TITLE OF INVENTION: HUMAN PROTEINASE MOLECULES
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/032,523
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0479 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 349 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: PANTUT01
CLONE: 1515165
US-09-032-523-3

Query Match 29.0%; Score 56; DB 3; Length 349;
Best Local Similarity 41.4%; Pred. No. 3.6;
Matches 12; Conservative 6; Mismatches 11; Indels 0; Gaps 0;

QY 2 GGSFALQDSFSSLSQGLLGPYVVKLLGLCV 30
DB 132 GGSFSLQYGTGSLSGIIGADQSVSEGLTV 160

RESULT 3
US-08-208-007A-13
Sequence 13, Application US/08208007A
Patent No. 5501969
GENERAL INFORMATION:
APPLICANT: HASTINGS, ET AL.
TITLE OF INVENTION: Human Osteoclast-Derived Cathepsin
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESSEE: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/208,007A
FILING DATE: March 8, 1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: No. 5501969e
FILING DATE: No. 5501969e
ATTORNEY/AGENT INFORMATION:
NAME: FERRARO, GREGORY D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 325800-95
TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 396 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS:
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-08-208-007A-13

Query Match 29.0%; Score 56; DB 1; Length 396;
Best Local Similarity 41.4%; Pred. No. 4.1;
Matches 12; Conservative 6; Mismatches 11; Indels 0; Gaps 0;

QY 2 GGSFALQDSFSSLSQGLLGPYVVKLLGLCV 30
DB 132 GGSFSLQYGTGSLSGIIGADQSVSEGLTV 160

RESULT 4
US-09-032-523-9
Sequence 9, Application US/09032523
Patent No. 6232454
GENERAL INFORMATION:
APPLICANT: Bandman, Olga
APPLICANT: Hillman, Jennifer L.
APPLICANT: Corley, Neil C.
APPLICANT: Guegler, Karl
APPLICANT: Baugh, Mariah
TITLE OF INVENTION: HUMAN PROTEINASE MOLECULES
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/032,523
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0479 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 396 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: Genbank
CLONE: 181994
US-09-032-523-9

Query Match 29.0%; Score 56; DB 3; Length 396;
Best Local Similarity 41.4%; Pred. No. 4.1;
Matches 12; Conservative 6; Mismatches 11; Indels 0; Gaps 0;


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; Patent No. 5928865
; GENERAL INFORMATION:
; APPLICANT: Covacci, Antonello
; TITLE OF INVENTION: Helicobacter Pylori Cagi Region
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/477,451
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: McClung, Barbara G.
; REGISTRATION NUMBER: 33,113
; REFERENCE/DOCKET NUMBER: 0335.002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 510-601-2708
; TELEFAX: 510-655-3542
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1720 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-477-451-12

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Query Match      28.0%; Score 54; DB 2; Length 1720;
Best Local Similarity 45.5%; Pred. No. 45;
Matches 15; Conservative 2; Mismatches 12; Indels 4; Gaps 1;

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Qy      2 GGSFALQDSFSSLQGLGPEYVKKLGLCVCLSG 34
Db      1109 GFFFGTSLFVGFGLSG----FLFGLVCVCLG 1137

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RESULT 11
US-09-061-337-12
; Sequence 12, Application US/09061337
; Patent No. 5985540
; GENERAL INFORMATION:
; APPLICANT: Tan, Yuying
; APPLICANT: Lenz, Martin
; TITLE OF INVENTION: HIGH SPECIFICITY HOMOCYSTEINE ASSAYS FOR
; OPERATING SYSTEM: BIOLOGICAL SAMPLES
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 Pennsylvania Avenue, NW
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1888
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/061,337
; FILING DATE: 17-APR-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:

```

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; APPLICATION NUMBER: US 08/899,776
; FILING DATE: 24-JUL-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/918,214
; FILING DATE: 25-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/941,921
; FILING DATE: 01-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Donahue, E. Victor
; REGISTRATION NUMBER: 35,492
; REFERENCE/DOCKET NUMBER: 31276-20013.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 887-1546
; TELEFAX: (202) 822-0168
; TELEX: 90-4030
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 396 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-061-337-12

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Query Match      26.7%; Score 51.5; DB 2; Length 396;
Best Local Similarity 37.5%; Pred. No. 19;
Matches 15; Conservative 6; Mismatches 14; Indels 5; Gaps 2;

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Qy      1 MGGS---FALQDSFSSLQGLGPEYVKKLGLCVCLSGCST 37
Db      307 MSGSMITFILKSGFEGAKLL--DNLKLTILAVSLGCGES 344

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RESULT 12
US-09-122-129-12
; Sequence 12, Application US/09122129
; Patent No. 5998191
; GENERAL INFORMATION:
; APPLICANT: Tan, Yuying
; APPLICANT: Lenz, Martin
; TITLE OF INVENTION: HIGH SPECIFICITY HOMOCYSTEINE ASSAYS FOR
; OPERATING SYSTEM: BIOLOGICAL SAMPLES
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 Pennsylvania Avenue, NW
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1888
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/122,129
; FILING DATE: 24 July 1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/899,776
; FILING DATE: 24-JUL-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/918,214
; FILING DATE: 25-AUG-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/941,921
; FILING DATE: 01-OCT-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/974,609
; FILING DATE: 19-NOV-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/061,337

```

FILING DATE: 17-APRIL-1998
ATTORNEY/AGENT INFORMATION:
NAME: Donahue, E. Victor
REGISTRATION NUMBER: 35,492
REFERENCE/DOCKET NUMBER: 312762001322
TELEPHONE: (202) 887-1546
TELEFAX: (202) 887-0763
TELEX: 90-4030
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 396 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-122-129-12

Query Match 26.7%; Score 51.5; DB 2; Length 396;
Best Local Similarity 37.5%; Pred. No. 19;
Matches 15; Conservative 6; Mismatches 14; Indels 5; Gaps 2;

QY 1 MGSS---FALQDSFSSLOGLGPEYVKLLGLCVLSCGCT 37
DB 307 MSGSMITFLKSGFEGAKLL--DNLKLTITLAVSLGCGES 344

RESULT 13
US-09-340-991-12
Sequence 12, Application US/09340991
Patent No. 6066467
GENERAL INFORMATION:
APPLICANT: Tan, Yuying
APPLICANT: Lenz, Martin
TITLE OF INVENTION: HIGH SPECIFICITY HOMOCYSTEINE ASSAYS FOR
BIOLOGICAL SAMPLES
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue, NW
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/340,991
FILING DATE: 24 July 1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/899,776
FILING DATE: 24-JUL-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/918,214
FILING DATE: 25-AUG-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/941,921
FILING DATE: 01-OCT-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/974,509
FILING DATE: 19-NOV-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/061,337
FILING DATE: 17-APRIL-1998
ATTORNEY/AGENT INFORMATION:
NAME: Donahue, E. Victor
REGISTRATION NUMBER: 35,492
REFERENCE/DOCKET NUMBER: 312762001322
TELEPHONE: (202) 887-1546

TELEFAX: (202) 887-0763
TELEX: 90-4030
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 396 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-340-991-12

Query Match 26.7%; Score 51.5; DB 3; Length 396;
Best Local Similarity 37.5%; Pred. No. 19;
Matches 15; Conservative 6; Mismatches 14; Indels 5; Gaps 2;

QY 1 MGSS---FALQDSFSSLOGLGPEYVKLLGLCVLSCGCT 37
DB 307 MSGSMITFLKSGFEGAKLL--DNLKLTITLAVSLGCGES 344

RESULT 14
US-08-974-609-12
Sequence 12, Application US/08974609
Patent No. 6140102
GENERAL INFORMATION:
APPLICANT: Tan, Yuying
APPLICANT: Lenz, Martin
TITLE OF INVENTION: HIGH SPECIFICITY HOMOCYSTEINASES AND
GENES THEREFOR
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue, NW
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,609
FILING DATE: 24-OCT-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/941,921
FILING DATE: 01-OCT-1997
ATTORNEY/AGENT INFORMATION:
NAME: Donahue, E. Victor
REGISTRATION NUMBER: 35,492
REFERENCE/DOCKET NUMBER: 31276-20013.20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
TELEFAX: (202) 822-0168
TELEX: 90-4030
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 396 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-609-12

Query Match 26.7%; Score 51.5; DB 3; Length 396;
Best Local Similarity 37.5%; Pred. No. 19;
Matches 15; Conservative 6; Mismatches 14; Indels 5; Gaps 2;

QY 1 MGSS---FALQDSFSSLOGLGPEYVKLLGLCVLSCGCT 37
DB 307 MSGSMITFLKSGFEGAKLL--DNLKLTITLAVSLGCGES 344

Thu Oct 30 08:53:32 2003

RESULT 15
 US-09-549-098-12
 : Sequence 12, Application US/09549098
 : Patent No. 6468762
 : GENERAL INFORMATION:
 : APPLICANT: Tan, Yuying
 : APPLICANT: Lenz, Martin
 : TITLE OF INVENTION: HIGH SPECIFICITY HOMOCYSTEINE ASSAYS FOR
 : TITLE OF INVENTION: BIOLOGICAL SAMPLES
 : NUMBER OF SEQUENCES: 19
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: MORRISON & FORSTER
 : STREET: 2000 Pennsylvania Avenue, NW
 : CITY: Washington
 : STATE: DC
 : COUNTRY: USA
 : ZIP: 20006-1888
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : COMPUTER: IBM PC compatible
 : OPERATING SYSTEM: PC-DOS/MS-DOS
 : SOFTWARE: Patent In Release #1.0, Version #1.30
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/09/549,098
 : FILING DATE:
 : CLASSIFICATION:
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: 09/340,991
 : FILING DATE:
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: US 08/918,214
 : FILING DATE: 25-AUG-1997
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: US 08/941,921
 : FILING DATE: 01-OCT-1997
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: US 08/974,609
 : FILING DATE: 19-NOV-1997
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: US 09/061,337
 : FILING DATE: 17-APRIL-1998
 : ATTORNEY/AGENT INFORMATION:
 : NAME: Donahue, B. Victor
 : REGISTRATION NUMBER: 35,492
 : REFERENCE/DOCKET NUMBER: 312762001322
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: (202) 887-1546
 : TELEFAX: (202) 887-0763
 : TELEX: 90-4030
 : INFORMATION FOR SEQ ID NO: 12:
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 396 amino acids
 : TYPE: amino acid
 : TOPOLOGY: linear
 : MOLECULE TYPE: protein
 : US-09-549-098-12

Query Match 26.7%; Score 51.5; DB 4; Length 396;
 Best Local Similarity 37.5%; Pred. No. 19;
 Matches 15; Conservative 6; Mismatches 14; Indels 5; Gaps 2;
 QY 1 MGGS---FALQDSFSLQGLGPEYKLLGLCVLSCGCT 37
 Db 307 MSGSMITFLKSGFEKAKLL--DNLKLTAVSLGGCS 344

Search completed: October 29, 2003, 12:05:36
 Job time : 29 secs